

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/019015

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7	D06M13/11	D06M13/148	D06M11/09	C01B31/02
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 D06M C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/060812 A (WILLIAM MARSH RICE UNIVERSITY; TOUR, JAMES, M; BAHR, JEFFREY, L; YANG,) 8 August 2002 (2002-08-08) page 19, line 23 - line 26 figure 17	19-22, 24-27, 29-31
X	WO 96/18059 A (HYPERION CATALYSIS INTERNATIONAL, INC) 13 June 1996 (1996-06-13) examples 8,14,17	19-22, 24-27, 29-31

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Date of the actual completion of the International search

Date of mailing of the International search report

20 April 2005

02/05/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	<p>WO 2005/012171 A (WILLIAM MARSH RICE UNIVERSITY; BARRERA, ENRIQUE, V; ZHU, JIANG; ZHANG,) 10 February 2005 (2005-02-10) paragraph '0055! - paragraph '0056! example 1 claims figure 1</p> <p>-----</p>	1-27, 29-31
X,P	<p>ZHANG L ET AL: "SIDEWALL FUNCTIONALIZATION OF SINGLE-WALLED CARBON NANOTUBES WITH HYDROXYL GROUP-TERMINATED MOIETIES" CHEMISTRY OF MATERIALS, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US, vol. 16, no. 11, June 2004 (2004-06), pages 2055-2061, XP002325306 ISSN: 0897-4756 page 2055 - page 2056</p> <p>-----</p>	1-27, 29-31
A	<p>KHABASHESKU V N ET AL: "FLUORINATION OF SINGLE-WALL CARBON NANOTUBES AND SUBSEQUENT DERIVATIZATION REACTIONS" ACCOUNTS OF CHEMICAL RESEARCH, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 35, no. 12, 2002, pages 1087-1095, XP002325307 ISSN: 0001-4842 cited in the application page 1090 - page 1092</p> <p>-----</p>	1-32
A	<p>WO 00/17101 A (WILLIAM MARSH RICE UNIVERSITY; MARGRAVE, JOHN, L; MICKELOSON, EDWARD, T) 30 March 2000 (2000-03-30) page 18, line 20 - page 20, line 11 example 2.2</p> <p>-----</p>	1-32

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/US2004/019015

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